

Claims

1. A lubricating composition comprising a major amount of an oil of lubricating viscosity and (A) a basic metal salt of an acidic organic compound and (B) a hydrocarbyl phosphite, provided that the lubricant is free of metal deactivators.

2. The composition of claim 1 wherein the metal of (A) is an alkali or alkaline earth metal.

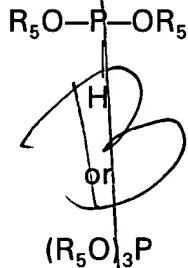
3. The composition of claim 1 wherein the metal of (A) is sodium, calcium or magnesium.

4. The composition of claim 1 wherein the acidic organic compound is an organic sulfonic acid or organic carboxylic acylating agent.

5. The composition of claim 1 wherein (A) is a alkaline earth metal overbased sulfonate.

6. The composition of claim 1 wherein (B) is a di or tri hydrocarbyl phosphite independently having from 1 to about 24 carbon atoms.

7. The composition of claim 1 wherein (B) is represented by the following formula



wherein each R_5 is independently hydrogen or a hydrocarbyl group, provided at least one R_5 is hydrocarbyl.

8. The composition of claim 1 wherein (B) is a lower alkyl phosphite.

9. The composition of claim 1 further comprising at least one friction modifier or at least one acylated amine.

10. A lubricating composition comprising a major amount of an oil of lubricating viscosity and (A) from about 0.02% to about 5% by weight of a basic metal salt of an acidic organic compound and (B) a hydrocarbyl phosphite independently having a form about 2 to about 18 carbon atoms in each hydrocarbyl group, wherein (B) is present in an amount to deliver from about 0.01% to about 0.3% by weight phosphorus to the composition, provided that the lubricant is free of metal deactivators.

11. The composition of claim 10 wherein the metal of (A) is an alkali or alkaline earth metal.

12. The composition of claim 10 wherein the metal of (A) is sodium, calcium or magnesium.

13. The composition of claim 10 wherein the acidic organic compound is an organic sulfonic acid or organic carboxylic acylating agent.

14. The composition of claim 10 wherein (B) contains one or more hydrocarbyl groups which are butyl, pentyl or hexyl groups.

15. The composition of claim 10 further comprising at least one friction modifier or at least one acylated amine.

16. The composition of claim 15 wherein the friction modifier is a fatty phosphite, a fatty acid amide, a fatty amine, a borated fatty amine, a borated fatty epoxide, a glycerol ester or a borated glycerol ester.

17. A lubricating composition prepared by blending a major amount of an oil of lubricating viscosity and (A) a basic metal salt of an acidic organic compound and (B) a hydrocarbyl phosphite, provided that the lubricant is free of metal deactivators.

18. The composition of claim 1 wherein the lubricating composition is a manual transmission.

19. The composition of claim 10 wherein the lubricating composition is a manual

transmission.

20. The composition of claim 17 wherein the lubricating composition is a manual
transmission.